	77,79
 TTTTTTTTTT IIIIII PF	PPPPPPP
 TTTTTTTTT IIIIII PF	PPPPPPPP
 TTT III PF	PP PPP
 TTT III PF	PP PPP
 TTT III PF	PPPPPPPP
 TTT III PF	PPPPPPP
 TTT III PF	' P *
 TTT IIIIIII PE	P
 TTT IIIIIII PE	P
 33333333333333 0000	00
 33333333333333 000000	
 333333333333 0000000	00000
 3333333 00000	00000
 3333333 000000	000000
 3333333 000000	000000
333333333 000000 a	000000
 - 333333333333 0000000000000000000	000000
33333333 000000	000000
 3333333 000000 3	000000
 3333333 0000000	000000
 333 3333333 000000	000000
 33333333333333 00000000	
 一 333333333	000

TIP/30 RELEASE NOTICE VERSION 3.0 (84/08/01)

ARP-602

A Product of:

Allinson-Ross Corporation 4291 Village Centre Court Mississauga Ontario Canada L4Z 1S2 TEL: (416) 848-2030 TWX: (610) 492-5390

AMOS A

```
**********************************
*******************************
                                                            **
**
           L
                     IIIII
                                                            **
         L
                           N
                               N
                                   SSSS
                                         000
                                                  N
                                               N
**
           ,, ,, , L
       L
                                                            **
                       Ι
                           NN
                               N
                                  S
                                        0
                                            0
                                               NN
                                                  N
               L
   AAAAA 🏻 🖺 🕆
**
                           NNN
                                   SSS
                                        0
                                            0
                                               NNN
**
   AAL
               L
                       I
                              NN
                           N
                                        0
                                            0
**
   A, A LLLL LLELL IIIII
                                  SSSS
                               N
                                         000
                                                            **
   RRRR ___OOO - SSSS
**
                      SSSS
                                CCC
                                      000
                                           RRRR
                                                 PPPP
                                                            **
**
      R O O
                               C
                                                            * *
                                               R
        0
           0
                               C
                      SSS
                                     0
                                        0
                                           RRRR
                                                 PPPP
   RRRR
**
   R R
         0
            0
                               C
                                                            **
                         S
                                     0
                                        0
                                           R
                                              R
                                                 P
   R R A - 000
**
                                                            * *
               SSSS
                    SSSS
                                CCC
                                      000
                                               R
**
**
         OOO PPPP Y Y
                                                            **
                           RRRR
                                  IIIII
                                        GGG
                                              H
                                                 H
                                                    TTTTT
                                                            **
         O P O P
                  P
                     YY
                                                     T
                               R
                                   I
                                       G
                                              H
                                                 H
                           R
                    ***** Y
         O O PPPP
                                                            * *
**
   C
                           RRRR
                                       G
                                              ННННН
            O P
                       Y
                           R
                                         GG
                              R
                                   Ι
                                        G
                                              H
                                                 H
               P 47
                                                            * *
**
    CCC
          000
                           R
                               R
                                  IIIII
                                        GGGG
**
** (6) 1975,1976,1977,1978,1979,1980,1981,1982,1983,1984
** Allinson-Ross Corporation reserves the right to modify or revise **
** the content of this document. Except where a Software Usage **
** Agreement has been executed, no contractual obligation between **
** Allinson-Ross Corporation and the recipient is either expressed **
** or implied. It is agreed and understood that the information con- **
** tained herein is proprietary and confidential and that the recip- **
** ient shall take all necessary precautions to ensure the confiden- **
** tiality thereof. This document, in whole or in part, may not be **
** copied or transmitted, in any form or by any means, electronic,
** mechanical, photocopying, or otherwise, without the prior written **
  permission of:
**
                                                            **
                              Allinson-Ross Corporation,
                              4291 Village Centre Court,
**
                                                            **
                              Mississauga, Ontario,
                              Canada
                                               L4Z 1S2
**
                              Tel: (416) 848-2030
                                                            **
                                                            **
                              Twx: (610) 492-5390
**
THIS DOCUMENT WAS PRODUCED USING THE
                                                            **
        ALLINSON-ROSS CORPORATION DOCUMENT GENERATOR.
*********************
```

TOWN TO THE PARTY OF THE PARTY.

CHAPTER I - RELEASE MOTICE CHAPTER I - RELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER I RELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER 4 - RELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER = I - RELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER I FRELEASE NOTICE CHAPTER I - RELEASE NOTICE CHAPTER I" - RELEASE NOTTCE

CHAPTER I - RELEASE NOTICE

1. CHAPTER I - RELEASE NOTICE

1.1 PREFACE

This document is the release notice for Version, 3.0 of TIP/30 (Transaction Interface Processor), a software product developed by Allinson-Ross Corporation.

The names TIP and TIP/30 are used interchangeably in this document.

Please direct any inquiries or requests for further information to:

Allinson-Ross Corporation 4291 Village Centre Court Mississauga, Ontario Canada L4Z 1S2 Tel. (416) 848-2030 TWX. (610) 492-5390

317,37

877 1852

1.2 TABLE OF CONTENTS	TOC	
- 1 -		
1. CHAPTER I - RELEASE NOTICE 1.1 PREFACE 1.2 TABLE OF CONTENTS 1.3 INTRODUCTION 1.4 OBSOLETE TIP/30 SUBROUTINE CALLS 1.5 ON-LINE DATA DISPLAY (ODD) 1.6 MESSAGE CONTROL SYSTEM 1.7 PROGRAM CONTROL SYSTEM 1.8 DATA BASES 1.9 IMS/90 EMULATOR 1.10 DYNAMIC LIBRARY SUPPORT 1.11 TIP/30 UTILITY PROGRAMS	TOC	5 5 7 8 9 10 10 11 12 12 13
1.12 RELEASE 3.0 COMPATIBILITY with 2.5 and 2. 1.12.1 QUICK ROLLBACK 1.13 INSTALLATION PROCEDURES	.5Rl	18 18 19
- 2 -		
2. KWIC INDEX	INDEX	29

CHAPTER I - RELEASE NOTICE TABLE OF CONTENTS

Page: 7
Section: Contents

1.3 INTRODUCTION

TIP/30 Release 3.0 is a major new release of the TIP/30 software product. This release contains a number of new facilities and significant changes to many of the internals of TIP/30.

Version 3.0 of TIP/30 provides support for System/80, and Series 90 machines running OS/3 6.0 thru 8.2. Errors reported in previous releases have been corrected.

This release of TIP/30 DOES NOT support releases of OS/3 prior to release 6. This release of TIP/30 has grown in size by approximately 24K bytes of memory. To keep the same paging area as before, you should add hex 6000 to your TIP/30 job card.

The TIP/30 system $\underline{\text{must}}$ be $\underline{\text{re-generated}}$ with the new software to take advantage of the corrections and enhancements included in this release. Refer to the section on installation procedures for details.

A completely new version of the TIP/30 Reference Manual ARP-600 is available with release 3.0 of TIP/30. Each site will automatically receive two (2) complete sets of this documentation. Any additional copies can be ordered at a cost of \$65.00 for the documentation only or \$100.00 for complete binder sets.

Page: Section:

1.4 OBSOLETE TIP/30 SUBROUTINE CALLS

The following TIP/30 subroutines are no longer available (as of release 3.0 of TIP/30).

Each of the subroutines has been replaced by the subroutine call indicated below.

OLD SUBROUTINE	SIMILAR SUBROUTINE
	=======================================
TIPCALL	TIPSUB
TIPGOTO	TIPXCTL
TIPBACK	TIPFORK
TIPRET	TIPRTN

1.5 ON-LINE DATA DISPLAY (ODD)

The Online Data Display program (ODD) is no longer being supported and the documentation has been removed from the Reference Manual. This program has been superceded by the TIP/30 Query Language (TQL). ODD has been included on the release tape as a courtesy to people still converting.

1.6 MESSAGE CONTROL SYSTEM

- [1] The message control system has been substantially REWORKED. Message formats may now be placed in user specified groups. Default data may now be specified for data fields. Special heading fields to automatically include the date, time, userid etc are now available. Special emphasis underline is used for the UTS-30 and UTS-40 terminal types. Colour data fields and headings are supported for the UTS-60 terminal.
- [2] IBM-3270 terminals will be supported for MCS screen I/O only. Note that 3270 support is not available for the initial release of 3.0. If you need 3270 support for MCS please call Allinson-Ross for a pre-release. It should be available shortly as standard issue.
- [3] New message definition and update programs are provided in 3.0. The new programs allow partial screen updates and retention of information on the "Option" screen.

Page: Section:

1.7 PROGRAM CONTROL SYSTEM

- [1] A new PIB for TIP/30 programs is supported. This has much new information and many new facilities. The new PIB contains new fields such as date, time, security code, group access, last MCS name and LOCAP name. Please read the TIP/30 Reference Manual PCS section.
- [2] A new version of TIPPRINT now supports MS-DOS file transfer (the file name may be ?:xxxxxx to indicate file transfer). TIPPRINT now picks up system defined defaults for TOP-OF-FORM, PAGE-LENGTH, etc. from TIP generation statements.
- [3] Distributed Transaction Processing is now supported. This allows transactions to be routed to other TIP/30 systems running in other machines. Please refer to the Reference Manual for details.

1.8 DATA BASES

- [1] A multi-thread interface to DMS/90 from TIP/30 and IMS/90 programs is now available. To generate TIP/30 with the multi-thread DMS interface, specify DBMS=DMT,n where n represents the number of threads to allow.
- [2] TIP/30 may now be generated to interface to more than one data base. The second and third interfaces are specified by using the new generation keywords DBMS2= and DBMS3=. The parameters for these new keywords are simply whatever would be specified for the DBMS= parameter.

1.9 IMS/90 EMULATOR

- [1] Numerous corrections applied at various customer sites have been incorporated into the standard emulator.
- [2] Several TIP/30 generation parameters have been added in an attempt to customize the emulation of IMS/90 and its peculiarities. Please reference the parameter IMS= in the TIPGEN section of the Reference Manual. You may need to specify some new option.
- [3] The IMS emulator now supports MIRAM in the same manner as IMS/90: refer especially to the discussion of the SETK call in the IMS documentation.

1.10 DYNAMIC LIBRARY SUPPORT

- [1] It is no longer necessary to generate libraries into the TCA. As of release 3.0, you are allowed dynamic access to libraries via the TIP/30 catalogue. If you use the OS/3 \$Y\$CAT, it won't even be necessary to put dynamic libraries in TIP/30's execution jcl.
- [2] WARNING:Do not generate libraries into your TCA using keywords CLOSE=NO or AFTER=YES. These are no longer valid and may prevent TIP/30's execution.

1.11 TIP/30 UTILITY PROGRAMS

The following is a summary of what has changed since release 2.5Rl. To get the details you must read the appropriate sections of the TIP/30 Reference Manual.

ACCESS no change

AFT now indicates whether user is attached to DMS/90

ALLOC new program for allocating OS/3 files

APB no change

APT new appointment scheduler system

ASG no change

BANNER new program to display/update the TIP/30 ready message text

BASIC interface to TIPPRINT, double precision support, calculation tolerence, defined functions, see ARP-600 for further details

Page:

Section:

13

1.11

BCP no change

CALENDAR now blinks current day and supports Julian format

CAT many new parameters, see ARP-600

CC command line driven and tabulates "TO" clauses

CCA new print command, locap display

CONNECT new program to connect a distributed TIP/30 host

CPAGE no change

CRASH no change

CREATE no change

data base (DMS/90) version of DD. DBD, DBDU

> new program to display OS/3 \$Y\$CAT info DCF

DD, DDU now processes alternate MIRAM indexes

DEBUG no change

now screen format driven DEFKEY

DIE no change

new program to disable terminals DISABLE

DLL supports UTS-30 and UTS-40 terminals

can now include partial screen formats DOC

@M command format changed!

displays LBL name (if FILELOCK=SHARE) DOF

DOWN no change

ENABLE new program to enable terminals

EOJ may now change timeout value

FCLOSE no change

> FIN no change

14

FOPEN no change

FREE no change

FSE new screen driven text editor, see ARP-600

HANGUP no change

HELP now screen format driven, tree structured

IDA displays more than 16 bytes via a length operand

JBQ low queue display replaces the list command

JCL option to run job and scratch edit buffer

LOGOFF no change

LOGON now displays appropriate error messages,

5 minute penalty after 4 password guesses

Ability to change password at logon time removed

MAIL completely new MAIL system, see ARP-600

MAILLIST new mail distribution list facility

MEM no change

MENU new menu system, see ARP-600

MODE no change

MSG no change

MSGAR some new commands, see ARP-600

MSGDEF completely re-written, see ARP-600 (TFD & TFU)

MSGSHOW defaults filler character to ' ', allows testing

of screens in other groups

NET minor change for F2 direct to CCA

NEWPASS new program for changing logon password

NEWUSER no change

> NOTE no change

OCN new program to display system activity

OPEN many new commands, SELECT, SORT, EXPORT see

section on TOL

prints single spaced PMDA

QED no change

RELOAD issues warning if program is RESIDENT

REMOVE new program to disconnect a distributed TIP/30

host

RPG no change

RV no change

SCR new program to scratch OS/3 files

SCRATCH no change

> many new options, see ARP-600 SET

new program for sorting edit buffers SORT

SPL new LE command, see ARP-600

> spool to MS-DOS files (feature now

TIPPRINT)

STATUS now displays DMS/90 statistics

STOP no change

new program for submitting JCL containing QGBLs SUBMIT

SWTCH no change

> SYM no change

displays largest free memory and RV's job name SYS

TIP/30 UTILITY PROGRAMS

this was the batch program to format various TIP/30 files. This no longer exists! It has been TBSINT

replaced by a new program call TB\$FMT.

TCB no change

new version of MSGDEF TFD, TFU

TIPFLG no change

> may now copy to/from MS-DOS files, also, may now TLIB delete load/object modules from libraries

UP no change

new program to list user-ids and comments USERS

VTOC new print command, improved listing percentage of file used, shows cylinder and track allocation.

now shows the LOCAP (if using DTP). WHOSON

WMI screen format is used.

1.12 RELEASE 3.0 COMPATIBILITY with 2.5 and 2.5Rl

Due to the number of corrections and enhancements in 3.0, the internal data structures of TIP/30 have changed quite a bit. Some subroutines called by user programs are linked directly with the user program. These subroutines will no longer work correctly on release 3.0. You must re-compile and re-link any of your native TIP/30 programs which use these special routines:

TIPPRINT TIPMSGRV TIPMSGCL TIPTG TIPUSR TIPATTCH TIPUALT TIPUORG

If you neglect to re-compile and re-link the programs which use these routines (after installing 3.0) you may get very unpredictable results. Check your LNKEDT map to see if a problem you are experiencing may be related to these subroutine calls.

1.12.1 QUICK ROLLBACK

In release 2.5 and 25Rl, you had to run TB\$RCV with a parameter of QUICK, to roll back any un-completed transactions before bringing the online system back up. TIP/30 now does this as part of its normal startup procedures. In fact the only way to prevent it from happening would be to re-format the TIP\$B4 file before bringing the system up. This could be done as follows:

RV TJ\$JRINT,,F=TIP\$B4

-+*+-

Page: 18 Section: 1.12.1

TIP/30 Release Notice Version 3.0 (84/08/01)

1.13 INSTALLATION PROCEDURES

*********************** ** * Backup your current TIP/30 system and all ** ** STEP 0: associated files (TIP\$CAT,TIP\$RNDM,TIPLOD,TIP); ** ** BE PREPARED to restore them if need be. ** ** Better safe than SORRY !! **

- [1] Do not load 3.0 tape just yet! Several 2.5 jobs must be run using the older 2.5 load modules. For our purposes, 2.5 and 25Rl are considered the same level of software.
- [2] To your existing jcl for TIP/30, add a reference for a file which we will create later called TIP\$MCS. This should look like this:

// &SLBL TIPSMCS

[3] If you don't have one, create the file TIP\$CATB with the 2.5 job TJ\$CATB. This should be in \$Y\$JCS or the TIP library. You should enter:

RV TJ\$CATB,,DVC=??,VOL=vsn,EXT=nn,SCR=YES

?? the device number of the disc vsn the volume serial number of the disc nn the size in cylinders of the real TIP\$CAT SCR=YES causes the scratch of an existing TIP\$CATB

- [4] Now you must copy the current TIP\$CAT into TIP\$CATB. This can be accomplished by running the 2.5 job TJ\$CRBAK. No parameters are required since we are only interested in the disc file.
- [5] Now you may load the release tape to the TIP library. If you use the 2.5 job TJ\$LOAD remember to change the tape LBL cards to match the release 3.0 job which follows. Otherwise, key in and run this job:

Page: Section: 20 1.13 TIP/30 Release Notice Version 3.0 (84/08/01)

```
JOB
                     TJ$LOAD,H,C000
          GBL
                     ACCT=TIP, VT
          OPTION
                     ACN=&ACCT
                      ('&VT' NE '')VTOK
          IF
          JNOTE
                      'VT PARAMETER MISSING, RERUN.'
          JNOTE
                      'SPECIFY VT=(DVC-NO, VOL-NAME)'
          OPTION
                     TEST
          GO
                     END
//VTOK
                      'LOADING TIP/30 DISTRIBUTION TAPE'
          OPR
//
          OPR
                      'TIP: VT=&VT'
]]
]]
]].
          DVC
                      90
          VOL
                      TIPS30
          LBL
                     TIP30$VER$0300
          LFD
                     TAPE
          DVC
                      &VT(1)
          VOL
                      &VT(2)
                      $LOK30.TIP$LIB
          LBL
//
          LFD
                      ERR34OK
          SCR
                     ERR34OK
          DVC
                      &VT(1)
          VOL
                      &VT(2)
          LBL
                      $LOK30.TIP$LIB
          EXT
                      ST, CF, 5, BLK, (256, 16000)
          LFD
                      TIP
          DVC
                      20
//
//
/$
          LFD
                      PRNTR
          EXEC
                     LIBS,,6
          FIL
                     D1=TIP,T1=TAPE
          COP
                      Tl,L,TB$BAK,Dl
/*
//
//
//
          MTC
                      TAPE, RL
          DVC
                      90
          VOL
                      TIP$30
          LBL
                      TIP30$VER$0300
          LFD
                      TAPE
          MTC
                      TAPE, FM, 3
]]
]]
                      TB$BAK,TIP,6
          EXEC
          EXEC
                     LIBS,,6
/$
                     D1=TIP,D2=$Y$JCS
          FIL
          COP.C
                     D1,,TJ$,D2
/*
//END
          NOP
/&
//
          FIN
```

CHAPTER I - RELEASE NOTICE INSTALLATION PROCEDURES

Page: 21 Section: 1.13

TIP/30 Release Notice

Version 3.0 (84/08/01)

```
If TIP/30 was distributed on diskettes, the following job may be
     used to load the diskettes:
         JOB
                    TJSLOADD, H, C000
                    ACCT=TIP, VT, V= (TIP$30, TIP$31, TIP$32, TIP$33, TIP$34)
         GBL
         OPTION
                    ACN=&ACCT
                     ('&VT' NE '')VTOK
         IF
                     'VT PARAMETER MISSING, RERUN.'
         JNOTE
                     'SPECIFY VT=(DVC-NO, VOL-NAME)'
         JNOTE
         OPTION
                    TEST
         GO
                    END
//VTOK
                     'LOADING TIP/30 DISTRIBUTION DISKETTES'
         OPR
         OPR
                     'TIP: VT=&VT'
                     'DISKETTES: V=&V'
         OPR
         DVC
                     130
                     &V(1)
         VOL
                     ('&V(2)' EQ '')NOV2
         IF
         VOL
                     &V(2)
//NOV2
         ΙF
                     ('&V(3)' EQ '')NOV3
          VOL
                     &V(3)
                     ('&V(4)' EQ '')NOV4
//NOV3
         ΙF
         VOL
                     &V(4)
                     ('&V(5)' EQ '')NOV5
//NOV4
          ΙF
         VOL
                     &V(5)
//
//NOV5
                     DATA
         LBL
*DISKET
         LFD
                     &VT(1)
         DVC
          VOL
                     &VT(2)
          LBL
                     $LOK30.TIP$LIB
          LFD
                     ERR340K
          SCR
                     ERR340K
                     &VT(1)
          DVC
          VOL
                     &VT(2)
                     $LOK30.TIP$LIB
          LBL
                     ST, CF, 5, BLK, (256, 16000)
          EXT
                     TIP
          LFD
          DVC
                     20
          LFD
                     PRNTR
                     LIBS,,6
          EXEC
                     D1=TIP, T1=DISKET
          FIL
          COP
                     T1,,,D1
/*
//
/$
                     LIBS,,6
          EXEC
                     D1=TIP, D2=$Y$JCS
          FIL
                     D1,,TJ$,D2
          COP.C
```

Page:

Section:

22

1.13

/*
//END NOP
/&
// FIN

- [6] At this point, the 2.5 system will no longer be operative and all the "TJ\$" prefixed jobs will have been replaced with 3.0 versions. Many differences exist. If you aren't using our jcl format you'll have to go through your jcl and review it.
- [7] Now you must copy all the latest TIP/30 load modules into the TIPLOD library. Simply enter to following:

RV TJ\$COP

[8] While TJ\$COP runs, you can create a new file for release 3.0 called TIP\$MCS. We no longer store the MCS screens in the 2nd partition of TIP\$CAT. To create this file, a new job TJ\$MCS exists. To run it:

RV TJ\$MCS,,D=(??,vsn,nn)

?? the device number of the disc for TIP\$MCS
vsn the volume serial number of the disc
nn a numeric value which is 3 times the number of
MCS screens you are using. The largest useful
value is 4096.

23

1.13

Page:

Section:

[9] If you are using the TIP/30 highspeed block loader file (called TIP\$BLK), it will be necessary to re-block the latest TIP load modules into it. To do this, run the following:

RV TJ\$REBLK

[10] Since the 2.5 TIPSCAT will be used in 3.0 only for catalogue records it may be too large. You can scratch and reformat it with the job TJSCAT which runs as follows:

RV TJ\$CAT,,D=(??,vsn,nn),SCR=YES

the device number of the disc the volume serial number of the disc vsn a numeric value which is 3 times the number of nn CAT records you are using. The largest useful value is 4096.

Now you convert your CAT and MCS records (TIP\$CATB), from [11] 2.5 to 3.0 format. This is done by running the following:

RV TJ\$2T3,,
$$DVC=??,VOL=vsn$$
 $D=(??,vsn)$

the device number of the disc for TIP\$CATB ?? the volume serial number of the disc for vsn TIPSCATB

Wait for the TJ\$COP job to complete, then re-generate the [12] TIP/30 system (RV TJ\$PARAM,,TCA=yurtca).

- [13] You can bring up your TIP/30 system now. You should remove or avoid the quick rollback step (RCV=NO) in the TIP/30 jcl. This is only a concern if you have the TIP\$B4 file.
- [14] Since the LOGON screen doesn't exist at this time, you MUST use the immediate "LOGON User-id/pwd" method to get started. The first step will be to restore screen formats required by Allinson-Ross supplied programs. Enter the following:

<TIP/TC\$RSTR in response to the "TIP?>" prompt.

- [15] The next two steps result in upgrading the TIP/30 catalogue to release level 3.0. You must decide which is the best method to use based on whether you have modified Allinson-Ross transaction sizes, securities or group ownerships. Only run one of the next two steps.
- An element named TC\$CATUP may be used to update catalogue records for Allinson-Ross supplied programs. This adds new transactions to TIP\$CAT but also searches out old entries by load module name in any group, updates the critical keywords but omits the security level changes. If you didn't do anything tricky and have a vanilla flavoured TIP/30 catalogue, skip this step and do the next one instead. Otherwise, once you have logged on the 3.0 system, enter the following:

<TIP/TC\$CATUP
in response to the "TIP?>" prompt.

25

[17] <u>IGNORE THIS STEP IF YOU USED TC\$CATUP!</u> This applies a virgin set of Allinson-Ross entries to the catalogue. To do this, once you have logged on the 3.0 system, enter the following:

CAT <TIP/TC\$CATLG
in response to the "TIP?>" prompt.

[18] Since BASIC and the MAIL system were changed for release 3.0, it will be necessary to delete all old dynamic files associated with them. In the case of basic, you MUST re-compile all your basic programs. The following should take care of the deletions:

CAT
DEL *,*BAS\$,,D
DEL *,*MAIL,,D
E

- [19] If you have placed TIP's TC-???? copy books or TI\$???? object modules in your own libraries, remember to replace them with the 3.0 versions.
- [20] At this point the 3.0 system upgrade is complete. Since many things have changed, if something behaves differently, please read your TIP/30 Reference Manual first!

--*+*--

KWIC INDEX

KWIC INDE/

KWIC INDEX

2. KWIC INDEX	INDEX	
- в -		
BASES, DATA	1.8	12
- c -		
CALLS, OBSOLETE TIP/30 SUBROUTINE CHAPTER I - RELEASE NOTICE COMPATIBILITY with 2.5 and 2.5Rl, RELEASE 3.0 CONTENTS TOC, TABLE OF CONTROL SYSTEM, MESSAGE CONTROL SYSTEM, PROGRAM	1.4 1. 1.12 1.2 1.6 1.7	9 5 18 7 10 11
- D -		
DATA BASES DATA DISPLAY (ODD), ON-LINE DISPLAY (ODD), ON-LINE DATA DYNAMIC LIBRARY SUPPORT	1.8 1.5 1.5 1.10	12 10 10 13
- E -		
EMULATOR, IMS/90	1.9	12
- I -		
IMS/90 EMULATOR INDEX INDEX, KWIC INDEX, KWIC INDEX INSTALLATION PROCEDURES INTRODUCTION	1.9 2. 2. 1.13 1.3	12 29 29 19 8
- к -		
KWIC INDEX INDEX	2.	29
KWIC INDEX	Page: Section:	29 Index

- L -		
LIBRARY SUPPORT, DYNAMIC	1.10	13
- M - MESSAGE CONTROL SYSTEM	1.6	10
MESSAGE CONTROL SISTEM	1.6	10
- N -		
NOTICE, CHAPTER I - RELEASE	1.	5
- 0 -		
(ODD), ON-LINE DATA DISPLAY OBSOLETE TIP/30 SUBROUTINE CALLS	1.5 1.4	10 9
ON-LINE DATA DISPLAY (ODD)	1.5	10
- P -		
PREFACE PROCEDURES, INSTALLATION	1.1 1.13	5 19
PROGRAM CONTROL SYSTEM PROGRAMS, TIP/30 UTILITY	1.7	11
- Q -		
QUICK ROLLBACK	1.12.1	18
- R -		
RELEASE NOTICE, CHAPTER I - RELEASE 3.0 COMPATIBILITY with 2.5 and 2.5Rl	1. 1.12	5 18
ROLLBACK, QUICK	1.12.1	18
- s -		
SUBROUTINE CALLS, OBSOLETE TIP/30 SUPPORT, DYNAMIC LIBRARY	1.4	9 13
SYSTEM, MESSAGE CONTROL SYSTEM, PROGRAM CONTROL	1.6	10
Page: 30 Section: Index		

11

	- T -	·	
TABLE OF CONTENTS TOC TIP/30 UTILITY PROGRAMS TOC, TABLE OF CONTENTS		1.2 1.11 1.2	7 13 7
	- n -		
UTILITY PROGRAMS, TIP/30		1.11	13

-End Of Document-

KWIC INDEX

Page: Section: 31 Index

